

20020317.ba v03_n308.bam.20020317

>From ???@??? Sun Mar 17 06:40:21 2002 -0600
Message-Id: <200203171240.g2HCeB98022956@sco.theporch.com>
Date: Sun, 17 Mar 2002 12:39:46 GMT
From: Old Tube Radios <boatanchors@theporch.com>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: BOATANCHORS digest 3308

BOATANCHORS Digest 3308

Topics covered in this issue include:

- 1) small bias cells?
by john <johnmb@nc.rr.com>
- 2) RE: Wanted: Johnson Mobile transmitter and VFO
by john <johnmb@nc.rr.com>
- 3) Re: small bias cells?
by jackiv@juno.com
- 4) Re: Wanted: Johnson Mobile transmitter and VFO
by <w9ran@oneradio.net>
- 5) RE: Wanted: Johnson Mobile transmitter and VFO
by "Edward Zeranski" <ezeran@concentric.net>
- 6) Re:Johnson Mobile transmitter
by "Allan Culbert" <k0al@mchsi.com>
- 7) Questions On An RCA Q-44 Radio
by Liles and Naomi Garcia <naomi@ftconnect.com>
- 8) Johnson Mobile transmitter
by Ralph Parker <rparker@dccnet.com>
- 9) RE: Wanted: Johnson Mobile transmitter and VFO
by <cacutts@mindspring.com>
- 10) BC-348--spec
by "philip" <dgnova@erols.com>
- 11) Re Q-44
by "philip" <dgnova@erols.com>
- 12) Re: Questions On An RCA Q-44 Radio
by "John K9UWA" <k9uwa@arrl.net>
- 13) Re: Questions On An RCA Q-44 Radio
by Norm Flasch <flasch@cushy.ece.nwu.edu>
- 14) Re: Questions On An RCA Q-44 Radio
by jackiv@juno.com
- 15) Re: Questions On An RCA Q-44 Radio
by "John K9UWA" <k9uwa@arrl.net>
- 16) Q44 schematic
by "philip" <dgnova@erols.com>
- 17) Jefferson Travis Ultra Shortwave Model UF-1
by =?iso-8859-1?Q?Andr=E9_Guibert?= <aguibert@sympatico.ca>
- 18) SSB CONVERTER CV-1694/GRC-129

- by matt parkinson <mparkinson1@socal.rr.com>
- 19) TV-7 tube tester and the 6BQ5
by Edward J Knobloch <k4pf@juno.com>
 - 20) TCS_Stuff
by "Edward Zeranski" <ezeran@concentric.net>
 - 21) ID mystery device
by "Robert G. Flory" <RobandPJ@compuserve.com>
 - 22) Re: Need advice on using VFO with Drake 2-NT
by Mike Steussy - AE4R <hikrbikr@erols.com>

Message-Id: <3.0.3.32.20020314174434.014b5194@pop-server.nc.rr.com>
Date: Thu, 14 Mar 2002 17:44:34 -0500
To: Old Tube Radios <boatanchors@theporch.com>
From: john <johnmb@nc.rr.com>
Subject: small bias cells?
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

The SX9 I'm working on has what I believe to be a small bias cell in it. It's shaped like a top hat and is about 1/2" in diameter around the "brim".

Anyone know what the voltage was in these? Wonder if I can subs a watch/hearing aid battery in the same holder to maintain originality (this SX9 appears to be 100% original).

Thanks! The only nomenclature on it is a patent date (1920) and the numbers 5 1 .

Thanks!
John

Message-Id: <3.0.3.32.20020314180526.015240a4@pop-server.nc.rr.com>
Date: Thu, 14 Mar 2002 18:05:26 -0500
To: Old Tube Radios <boatanchors@theporch.com>
From: john <johnmb@nc.rr.com>
Subject: RE: Wanted: Johnson Mobile transmitter and VFO
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

When I had mine on the air, I got exceptionally good audio reports... and it was a lot of fun to use. That was the first BA I got going, when I started playing with this stuff again, about 12 yrs ago. Mine too had a broken ceramic wafer, and I very carefully rebuilt it by transferring the contacts one at a time, to a different switch. I found little micro rivets and built a tool out of an old nail to flare the rivets over with.

The rig worked great on 10M am and the VFO wasnt too drifty either.

Johnson made some receiving converters but they were just VHF to HF units, not HF to BCB. I think Gonset cornered the market on those.

My Mobile was taken off the air when I discovered that the previous owner had floated the chassis of the Heath UT1 PS he was using up to about 250v in some voltage dividing scheme I never did figure out. I discovered this fact when I dropped a coax cable shell (grounded) onto the PS cover and blue sparks lit up the blackness beneath my operating desk (which in turn, propelled me out from under the desk in about 1.3 uS.). I later rewired the UT1 to run the heath mobile twins, and I've not had the Mobile back on the air since.

If you do get it running, you'll get a LOT of "I havent heard one of those in XX yrs" reports! It's a ball to use.

73
John

At 02:32 PM 3/14/02 -0800, Edward Zeranski wrote:

>Scott,

>

> If you find a seller be REEEEEAL sure to tell him to carefully foam wrap
>the front panel then double pack the set. The xtal switch is especially
>vulnerable since it stands proud of the front panel. If the switch takes a
>UPS (Universal Package Smashers) type hit the xtal socket and the switch
>wafer will be destroyed. The band coils can be broken too. I've bought two
>different radios and both were broken as mentioned by bad handling, and one
>was very well packed. One was given to a retired friend who hand made a
>socket and wafer but it was an effort. The mobile is a neat radio
>though..well worth the time. The tuning is neat just to look at and the bias
>osc is way cool. :^) Doug WA6VOV has it working in his shack and it sounds
>good. The VFO will probably be a harder find, have only had one and it is on
>'loan' to Doug. On the mobile thread....Did Johnson ever make a mobile RX
>converter?? I've seen, and have, RX converters by RME etc but have never
>seen an E F Johnson unit even in early "Mobile Manuals". Good luck and Happy
>BoatAnchoring!!

>

>EdZ

>

>Subject: Wanted: Johnson Mobile transmitter and VFO

>

>

>

>

John Brewer - WB50AU/4

AMI #24

Clayton NC

johnmb@nc.rr.com

To: Old Tube Radios <boatanchors@theporch.com>

Cc: boatanchors@theporch.com

Date: Thu, 14 Mar 2002 17:15:39 -0700

Subject: Re: small bias cells?

Message-ID: <20020314.172028.1508.2.jackiv@juno.com>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

From: jackiv@juno.com

John, the mallory bias cell was a zero current 1.4 v battery f0r a class A amplifier. Use a 1.5 v watch battery, I have several times. thE + side to ground. The audio coupling cap must be low leakage type, at least 100 megohms or better. The typical grid resistor is in the 10 to 20 meg range.

jack K0EWU

On Thu, 14 Mar 2002 17:44:34 -0500 john <johnmb@nc.rr.com> writes:

> The SX9 I'm working on has what I believe to be a small bias

> cell in it. It's shaped like a top hat and is about 1/2" in

> diameter

> around the "brim".

>

> Anyone know what the voltage was in these? Wonder if I can subs

> a watch/hearing aid battery in the same holder to maintain

> originality

> (this SX9 appears to be 100% original).

>

> Thanks! The only nomenclature on it is a patent date (1920)

> and the numbers 5 1 .

>

> Thanks!

> John

>

>

Message-ID: <03a201c1cbc3\$d5403260\$fb396f0a@direcpc.com>

From: <w9ran@oneradio.net>

To: Old Tube Radios <boatanchors@theporch.com>

Subject: Re: Wanted: Johnson Mobile transmitter and VFO
Date: Thu, 14 Mar 2002 19:48:53 -0600
MIME-Version: 1.0
Content-Type: text/plain;
charset="Windows-1252"
Content-Transfer-Encoding: 7bit

I haven't fired my Viking Mobile up yet, but thought I'd mention an interesting twist - the position of the crystal switch and meter are reversed on mine. The symmetrical layout makes it easy to do, and reversible, but I wonder how commonly this was done...

73, Bob W9RAN

From: "Edward Zeranski" <ezeran@concentric.net>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: RE: Wanted: Johnson Mobile transmitter and VFO
Date: Thu, 14 Mar 2002 18:28:49 -0800
Message-ID: <FHEBKNEBHGNPDPLBMCNEGEGPAAAA.ezeran@concentric.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="Windows-1252"
Content-Transfer-Encoding: 7bit

In the advertising and manual the option of switch/meter placement is mentioned. I guess it was to accomodate which side of the wheel you wanted to place the TX.

I haven't fired my Viking Mobile up yet, but thought I'd mention an interesting twist - the position of the crystal switch and meter are reversed on mine. The symmetrical layout makes it easy to do, and reversible, but I wonder how commonly this was done...

73, Bob W9RAN

Message-ID: <007b01c1cbd1\$d7d8d640\$e8dfd90c@mchsi.com>
From: "Allan Culbert" <k0al@mchsi.com>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re:Johnson Mobile transmitter
Date: Thu, 14 Mar 2002 21:31:06 -0600
MIME-Version: 1.0
Content-Type: text/plain;
charset="Windows-1252"

Content-Transfer-Encoding: 7bit

Bob et al,

The manual even states the meter and crystal switch are interchangeable to suit the individual installation.

Al, K0AL

Message-ID: <3C918E89.9CB4F3C2@ftconnect.com>
Date: Thu, 14 Mar 2002 22:02:50 -0800
From: Liles and Naomi Garcia <naomi@ftconnect.com>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Questions On An RCA Q-44 Radio
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Good evening Everybody,

A friend in our antique radio club has an RCA Q-44 that he wants to sell. Can someone please give me some information on it?? There is no big rush because I can't buy it for a while anyway. The model year is 1941, and it is an 11 tube chassis. It has a tuning eye, and it has a wooden cabinet. It has 8 bands: LF band, BC band, 2 SW bands (I think) and 4 band spread bands for the popular SW listening bands. I found a schematic on the " Nostalgia Air " site, but only half of the schematic is on that website.

Is the output push-pull?? My friend says that it has an 8 inch speaker built into the cabinet. Is this radio a very early armchair SW listener's radio, sort of like an SX-62?? The radio is a table top model, and is fairly large. My guess is that it does not have a BFO to receive code with; can anyone answer that one?? The Q-44 almost sounds like it is one of our boatanchors, but is in a wooden cabinet. Any help, advice, and other information would be much appreciated. Also, is this radio common, rare, or super rare? It also plays well, but the tuning dial needle is broken. Thanks again,

Regards from Aloha, Oregon,
Liles Garcia
naomi@ftconnect.com

Message-Id: <3.0.5.32.20020314224821.00826920@pop3.dccnet.com>

Date: Thu, 14 Mar 2002 22:48:21 -0800
To: Old Tube Radios <boatanchors@theporch.com>
From: Ralph Parker <rparker@dccnet.com>
Subject: Johnson Mobile transmitter
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

>...the position of the crystal switch and meter are reversed on mine...

Mine, too. I thought it was an assembly mistake.

VE7XF

Date: Fri, 15 Mar 2002 05:40:40 -0500
From: <cacutts@mindspring.com>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: RE: Wanted: Johnson Mobile transmitter and VFO
Message-ID: <Springmail.105.1016188840.0.73834500@www.springmail.com>

>In the advertising and manual the option of switch/meter placement is mentioned.

Mine is the same way. For the longest time I could not figure out why. I did see an ad in QST (I think around 1958) that showed the switch and meter reversed.

I've got the matching VFO too, and I run it into an amp. It's a fine transmitter and a joy to operate.

Allen Cutts
N4OZI

Message-ID: <000d01c1cc27\$f0123340\$d2092c42@default>
From: "philip" <dgnova@erols.com>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: BC-348--spec
Date: Fri, 15 Mar 2002 08:47:20 -0500
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Re J. Forster question about the BC-348, the specs taken from
Instruction book for operation and maintenance for BC-348-E

Sensitivity less than 7 microvolts average 1.2 microvolts
receiver sensitivity should be better than 20 microvolts at 20 volts dc
primary input

AUDIO Power Output

MVC 400 mw average 590mw mw==millawatt

AVC 200mw average 830mw

Receiver noise less than 15mw average 0.8mw

audio hum less than 50microwatts

Selectivity:

Input Ratio (Input off Resonance) (Imput at Resonance)

		Spec performance		Average
performance				
2:1	(200kc-500kc)	2.1 min	10max	3.0
	(1.5-18mcs)	5 min	10max	7.6
10:1			18max	13.8
100:1			30max	19.1
1000:1			40max	26.2
10000:1			52max	32.4

Philip McCoy dgnova@erols.com

Message-ID: <004201c1cc2a\$5656b3e0\$d2092c42@default>

From: "philip" <dgnova@erols.com>

To: Old Tube Radios <boatanchors@theporch.com>

Subject: Re Q-44

Date: Fri, 15 Mar 2002 09:04:30 -0500

MIME-Version: 1.0

Content-Type: text/plain;

charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Re question from Liles Garcia on Q-44 radio

Just looked up the RCA Q-44 radio in RCA service manual.

Can scan it for you. Can you use PDF files ?

This is a real nice radio.

6SK7 RF

6SA7 mixer

6SA7 osc

two 6KS7 IF stages

6B8 AVC amp and det

6R7 audio det and 2nd audio
6SK7 first audio amp. That's right 6SK7 first audio amp
Now for the wurd part
Push Pull audio output
6AD7 and 6F6 (the 6AD7 is a triode and a 6F6 pentode in one
bulb

You will need the schematic to get this working.

Philip McCoy dgnova@erols.com

Message-Id: <200203151405.JAA00791@marconi.concentric.net>
From: "John K9UWA" <k9uwa@arrl.net>
To: Old Tube Radios <boatanchors@theporch.com>
Date: Fri, 15 Mar 2002 09:12:05 -0500
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT
Subject: Re: Questions On An RCA Q-44 Radio
CC: naomi@ftconnect.com

Hi Liles.....will try to answer your questions about this Wood Box Radio....

It isn't listed in any of my "Price Guide Books".....means there
were probably not a lot of them sold.....not necessarily that it is worth more
or less than one another model.....

The Schematic is probably ALL on the Nostalgia Site....go to the first page
they list...should be riders 13-89 and when U want the next page change the
URL number on your browser to 13-90 also alignment stuff is on 13-91 ...

11 tubes and a 1941 model year so it came out late 1940...had them in the stores
before thanksgiving so people could buy the new model year for Xmas!

Freq. covered
140-410 KC
540-1720 KC
3.1-9.5 Mc
9.45-11.8 Mc
11.65-15.2 Mc
15.1-17.75 Mc
17.73-18.5 Mc
21-45-22.5 Mc

Output is Push Pull....but uses two different tubes to do it....one is standard
6F6 tube...the other is 6AD7gused for Phase inversion plus the other
output tube...interesting curcuit. 3 section Variable with separate RF tube
so should be a decent performer. The thing also has 3 IF cans and an added

switch that gives you two bandwidths on the 3 IF cans...called "Broad & Sharp" tuning.

Can't tell you anything about the cabinet as only have the Riders Service info to look at..they tell you nothing about cabinets...NO BFO in it so you will have to build your own if you want one of those in it..

RCA warns about quite a few of the parts and lead dress in this set. That and careful alignment or else it won't track frequency with the dial. Set was definitely

built to be a High End Radio with good short wave...If you don't want it...please let me know...I would like to have it for my collection.

John k9uwa

John Goller, K9UWA & Jean Goller, N9PXF

Antique Radio Restorations

k9uwa@arrl.net

Visit our Web Site at:

<http://www.JohnJeanAntiqueRadio.com>

4836 Ranch Road

Leo, IN 46765

USA

1-219-637-6426

From: Norm Flasch <flasch@cushy.ece.nwu.edu>

Message-Id: <200203151506.JAA16457@cushy.ece.nwu.edu>

Subject: Re: Questions On An RCA Q-44 Radio

To: Old Tube Radios <boatanchors@theporch.com>

Date: Fri, 15 Mar 2002 09:06:11 -0600 (CST)

MIME-Version: 1.0

Content-Transfer-Encoding: 7bit

Content-Type: text/plain; charset=US-ASCII

Zenith used this tube pair in a very large run of their radios. These are wooden models (both table and console) with black oval dials. These use mostly loctal tubes. They are nice sounding very selective and sensitive sets as well. Came in 2 and 3 band models.

> Output is Push Pull....but uses two different tubes to do it....one is standard
> 6F6 tube...the other is 6AD7gused for Phase inversion plus the other
> output tube...interesting circuit. 3 section Variable with separate RF tube

--

Norm Flasch

ECE Teaching Labs Manager

Northwestern University
Evanston, Illinois
847-467-4387

To: Old Tube Radios <boatanchors@theporch.com>
Cc: boatanchors@theporch.com, naomi@ftconnect.com
Date: Fri, 15 Mar 2002 08:45:46 -0700
Subject: Re: Questions On An RCA Q-44 Radio
Message-ID: <20020315.084547.1196.1.jackiv@juno.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
From: jackiv@juno.com

HI Liles. The price guide, "guide to old radios vol 2 " shows abou \$30 to \$40 for that radio. Must have been an estimate for an old wood table radio. If you can buy it for that-good luck. A bfo can be fabricated from an old if tx and a couple of transistors or another tube requiring low heater current such as a 6BH6, triode connected. 0.15 amp heater, power tx should handle that nicely, if in doubt sub a 6SS7 for the second if 6SK7. the 6SS7 draws 150 ma less than the 6SK7. so the total load is the same.
jack jackiv@juno.com

On Fri, 15 Mar 2002 09:12:05 -0500 "John K9UWA" <k9uwa@arrl.net> writes:
> Hi Liles.....will try to answer your questions about this Wood Box
> Radio....
>
> It isn't listed in any of my "Price Guide Books".....means
> there
> were probably not a lot of them sold.....not necessarily that it
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> or less than one another model.....
> The Schematic is probably ALL on the Nostalgia Site....go to the
> first page
> they list...should be riders 13-89 and when U want the next page
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> URL number on your browser to 13-90 also alignment stuff is on 13-91
> ...
>
> 11 tubes and a 1941 model year so it came out late 1940...had them
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>
> Freq. covered

> 140-410 KC
> 540-1720 KC
> 3.1-9.5 Mc
> 9.45-11.8 Mc
> 11.65-15.2 Mc
> 15.1-17.75 Mc
> 17.73-18.5 Mc
> 21-45-22.5 Mc
>
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> John k9uwa
>
> John Goller, K9UWA & Jean Goller, N9PXF
> Antique Radio Restorations
> k9uwa@arrl.net
> Visit our Web Site at:
> <http://www.JohnJeanAntiqueRadio.com>
> 4836 Ranch Road
> Leo, IN 46765
> USA
> 1-219-637-6426
>
>

Message-Id: <200203152053.PAA12812@newman.concentric.net>
From: "John K9UWA" <k9uwa@arrl.net>
To: Old Tube Radios <boatanchors@theporch.com>
Date: Fri, 15 Mar 2002 15:59:48 -0500
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT
Subject: Re: Questions On An RCA Q-44 Radio

Liles
BIG OOPS.....meant Riders book 12 NOT 13
should have read Riders 12-89,90,91

John k9uwa

John Goller, K9UWA & Jean Goller, N9PXF
Antique Radio Restorations
k9uwa@arrl.net
Visit our Web Site at:
<http://www.JohnJeanAntiqueRadio.com>
4836 Ranch Road
Leo, IN 46765
USA
1-219-637-6426

Message-ID: <000701c1cc6b\$dfc0b540\$700f2c42@default>
From: "philip" <dgnova@erols.com>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Q44 schematic
Date: Fri, 15 Mar 2002 16:53:38 -0500
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I have uploaded pages from RCA's service manual covering the
Q44 radio. They are on my web site <http://www.Qsl.net/w3sak>

Message-ID: <000701c1cce3\$436ddb00\$4815fea9@b1yhpg64>
From: =?iso-8859-1?Q?Andr=E9_Guibert?= <aguibert@sympatico.ca>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Jefferson Travis Ultra Shortwave Model UF-1
Date: Sat, 16 Mar 2002 07:07:20 -0500
MIME-Version: 1.0
Content-Type: text/plain;

charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Bonjour to All
A Belgium correspondent has sent me a picture of what looks like a
small and quite
simple looking portable transceiver.
Manufactured by Jefferson Travis, New York, it has a 0 to 100 dial,
Trans./Receive selector
and volume control.
Does it ring a bell to you.
Andre

Message-ID: <3C938099.7B41CCD3@socal.rr.com>
Date: Sat, 16 Mar 2002 09:27:53 -0800
From: matt parkinson <mparkinson1@socal.rr.com>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
Subject: SSB CONVERTER CV-1694/GRC-129
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I need some help with this rig I want to hook this up to my R-390 series
receivers and I need a schematic or help on what kind of power I need to
run this with my receiver.
I can not really tell I doesn't have a power transformer so I think it
take 28 volts but no sure .
If some one could show me the way that would be a great help thanks.
Matt Parkinson KE6UOS

To: Old Tube Radios <boatanchors@theporch.com>
Date: Sat, 16 Mar 2002 17:29:13 -0500
Subject: TV-7 tube tester and the 6BQ5
Message-ID: <20020316.172914.2880.2.k4pf@juno.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
From: Edward J Knobloch <k4pf@juno.com>

Hi, Gang

I was about to toss away a couple of 6BQ5's that were among a box
of otherwise good tubes received in an auction.

The tubes showed "short" in positions 1,2,3 and 5 on my
TV-7B/U.

Thankfully, I first checked Nolan E. Lee's compilation of TV-7 tube test data. Sure enough, a note appears for the 6BQ5 that there +should+ be a short indicated in positions 1,2,3 and 5, per Air Force T.O. 33AA21-5-31G.

Strange that the Army never corrected their manual for the TV-7 for this old tube type.

Nolan Lee's TV-7 tube test data is available as an Excel spreadsheet file.

I've got his beta 0.90 dated 12/25/2000, if anyone needs a copy. (It's a 703 KB file).

73,
Ed Knobloch k4pf@juno.com

From: "Edward Zeranski" <ezeran@concentric.net>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: TCS_Stuff
Date: Sun, 17 Mar 2002 02:06:39 -0800
Message-ID: <FHEBKNEBHGNPDPLBMCNEEEHNCAAA.ezeran@concentric.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

BA Folk,

Since my first contact with these little radios in Nam time..early then mid/late '60s I've liked them. Over the years several have been rebuilt or passed along/given away. Now..There are pictures on the net of TCS in LTV-4 but not of a WWII Jeep installation. Does anyone know of or have any pictures of WWII jeeps with TCS installed?? I've been looking for pictures of TCS radios in PT boats, Jeeps etc for quite a while to make posters when the radios get set up where the public can see 'em. I'd also like to find a TCS picture that would make a good "T" shirt graffice.

Date: Sun, 17 Mar 2002 05:52:50 -0500
From: "Robert G. Flory" <RobandPJ@compuserve.com>
Subject: ID mystery device
To: Old Tube Radios <boatanchors@theporch.com>
Message-ID: <200203170553_MC3-F614-F64@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: quoted-printable

Content-Type: text/plain;
charset=ISO-8859-1
Content-Disposition: inline

Hi,

Please help with identification of this mystery device, before I gut it.

The price was right, I bought it from a dumpster.

A little 3" by 7" chassis with a copper-colored perforated cover over it.=
=

Active devices are 6DS4 Nuvistor, a transistor, and 2 9-pin tubes that are not there. A single-terminal antenna terminal goes directly to one of the 9-pin tubes. The other 9-pin tube drives a small relay that grounds the only wire on the 4-wire cable that is not ground or power. The transistor circuit looks audio-ish. The nuvistor has a VHF-ish looking tuned circuit. There is a coil of fairly large L (less than 500kc, maybe even audioish) on top of the chassis near the power transformer and relay.

A receiver for a remote control?

Thanks, Rob K2WI

Message-ID: <3C948E47.94869C61@erols.com>
Date: Sun, 17 Mar 2002 07:38:31 -0500
From: Mike Steussy - AE4R <hikrbikr@erols.com>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
CC: boatanchors@theporch.com, jimrichey2@juno.com
Subject: Re: Need advice on using VFO with Drake 2-NT
Content-Type: text/plain; charset=iso-8859-1
Content-Transfer-Encoding: 8bit

Gentlemen, a very belated thanks for your advice in response to my query on the Boatanchors list last January, viz

> My friend Jim, AG4MA, and I are putting our Drake 2-NT (novice
> transmitter?) rigs on the air with companion 2-B and 2-C receivers.
> Mine works like a champ on crystal control, but does not produce much
> output when using a VFO. I've tried the Knight V-44 and a cut-down
> ARC-5 using a 6AG7. Jim is about to try it with a Heath HG-10. If
any

> of you kind readers have used a VFO successfully with a 2-NT, please
> advise me how you did it.

Since then, I installed a mini-toggle switch (as you suggested, Sandy) on a little bracket mounted on the rear panel to short the RFC in the cathode circuit of the oscillator tube to RF using a circuit like the Johnson Challenger uses. Did a very seamanlike job of it with no new holes. Then I tried it using the Knight VFO. The combination worked better with RFC unshorted! (Just as you reported, Allan and Bob.)

So I removed the switch and looked again at the VFO. Carefully tweaked the output of the VFO (originally aligned by the kit builder over 45 years ago) for the low end of 80 and 40 and then tried it with the 2-NT. It works almost as well as a good crystal on all bands now, so I'm a happy boy. Yesterday I used it on the air and got a good signal report, specifically no chirp, from a NYC station on 40M.

The 2-NT is a fun CW rig, with internal antenna relay, sidetone generator, receiver muting, grid-block keying, and respectable power out. Being able to use a VFO with it now is a real joy, though it will take some getting used to as stations with super sharp CW filters can't hear me unless I tune the VFO just right. The Knight VFO is a nice unit and it matches the 2-NT front panel color. Now, when is the next CX?

73, Mike Steussy AE4R
Vienna VA

End of BOATANCHORS Digest 3308
